(1) GENERAL INFORMATION:

    (i) APPLICANT: Lesley J. Murray
                     Judy C. Young

5   (ii) TITLE OF INVENTION: Methods for use of mpl ligands
                        with primitive human stem cells.

    (iii) NUMBER OF SEQUENCES: 6

    (iv) CORRESPONDENCE ADDRESS:
10   (A) ADDRESSEE: Fish & Richardson
         (B) STREET: 2200 Sand Hill Road, Suite 100
         (C) CITY: Menlo Park
         (D) STATE: California
         (E) COUNTRY: USA
15   (F) ZIP: 94025

    (v) COMPUTER READABLE FORM:
        (A) MEDIUM TYPE: Floppy disk
        (B) COMPUTER: IBM PC compatible
        (C) OPERATING SYSTEM: PC-DOS/MS-DOS
20   (D) SOFTWARE: AscIII

    (vi) CURRENT APPLICATION DATA:
        (A) APPLICATION NUMBER:
        (B) FILING DATE:
        (C) CLASSIFICATION:

25   (viii) ATTORNEY/AGENT INFORMATION:
        (A) NAME: Valeta Gregg
        (B) REGISTRATION NUMBER: 35,127
        (C) REFERENCE/DOCKET NUMBER: 07532/003001

    (ix) TELECOMMUNICATION INFORMATION:
30   (A) TELEPHONE: (415) 322-5070
        (B) TELEFAX: (415) 854-0875

(2) INFORMATION FOR SEQ ID NO:1:
    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 42 base pairs
35   (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear
    (ii) MOLECULE TYPE: cDNA
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GCTATTGCGG CCGCGAATTC GGARGAYYTI INITGYTTYT GG   42

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(2) INFORMATION FOR SEQ ID NO:2:
    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 38 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear
   (ii) MOLECULE TYPE: cDNA
   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
```

GCTATTCTCG AGATCGATSW CCAITCRCTC CAIIINCC   38

```
(2) INFORMATION FOR SEQ ID NO:3:
    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 38 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear
   (ii) MOLECULE TYPE: cDNA
   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
```

GCTATTCTCG AGATCGATSW CCAINIRCTC CAIIINCC   38

```
(2) INFORMATION FOR SEQ ID NO:4:
    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 20 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear
   (ii) MOLECULE TYPE: cDNA
   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
```

CGCTGCACCT CTGGGTGAAG   20

```
(2) INFORMATION FOR SEQ ID NO:5:
    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 21 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear
   (ii) MOLECULE TYPE: cDNA
   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
```

AGCAGGGCAG CAGGTTTCTG T   21

```
(2) INFORMATION FOR SEQ ID NO:6:
    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 21 base pairs
```

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```
              (B)  TYPE: nucleic acid
              (C)  STRANDEDNESS: single
              (D)  TOPOLOGY: linear
     (ii)  MOLECULE TYPE: cDNA
 5   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:6:

GCTGCGCAGC TGCAGCCAGT A                                          21
```